

Title (en)

DISPERSION, PROCESS FOR PREPARING A DISPERSION AND INK JET PRINTING INK

Title (de)

DISPERSION, VERFAHREN ZUR ZUBEREITUNG EINER DISPERSION UND TINTE FÜR TINTENSTRAHLDRUCK

Title (fr)

DISPERSION, PROCÉDÉ DE PRÉPARATION D'UNE DISPERSION ET ENCRE POUR IMPRESSION À JET D'ENCRE

Publication

EP 2569084 B1 20140122 (EN)

Application

EP 11724009 A 20110512

Priority

- GB 201018703 A 20101105
- GB 201008090 A 20100514
- GB 2011050911 W 20110512

Abstract (en)

[origin: WO2011141745A2] A process for preparing a dispersion of encapsulated solid particles in a liquid medium comprising: i) providing a dispersion comprising solid particles, a liquid medium and a polymer comprising at least one repeat unit of the Formula (1) or a salt thereof: Formula (1) wherein: each X independently is an alkyl, aryl, or heterocyclyl group each of which may be optionally substituted; Q1 and Q2 independently is NR1, O or S; wherein R1 independently is H or an optionally substituted alkyl, aryl or heterocyclyl group; A is an optionally substituted divalent organic linking group; m independently is 1 or 2; and when m is 1, Q3 independently is NR1, O or S and R1 is H or an optionally substituted alkyl, aryl or heterocyclyl group; or when m is 2, Q3 is N; and ii) cross-linking the polymer in the presence of the solid particles and the liquid medium so as to encapsulate the solid particles.

IPC 8 full level

B01J 13/14 (2006.01); **C09K 23/16** (2022.01); **C09K 23/32** (2022.01); **C09K 23/42** (2022.01); **C09K 23/52** (2022.01)

CPC (source: EP KR US)

B01J 13/14 (2013.01 - EP KR US); **C09B 67/00** (2013.01 - KR); **C09B 67/0013** (2013.01 - EP US); **C09D 11/00** (2013.01 - KR); **C09D 11/324** (2013.01 - EP US); **Y10T 428/24802** (2015.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011141745 A2 20111117; **WO 2011141745 A3 20120907**; CN 102883802 A 20130116; CN 102883802 B 20150701; EP 2569084 A2 20130320; EP 2569084 B1 20140122; JP 2013534933 A 20130909; JP 5848331 B2 20160127; KR 20130120990 A 20131105; MX 2012012894 A 20130122; US 2013065030 A1 20130314; US 8927624 B2 20150106

DOCDB simple family (application)

GB 2011050911 W 20110512; CN 201180023835 A 20110512; EP 11724009 A 20110512; JP 2013509626 A 20110512; KR 20127032685 A 20110512; MX 2012012894 A 20110512; US 201113697580 A 20110512